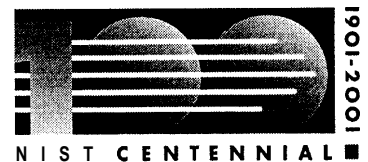


**NISTIR 6774**

# **Workshop On Fire Testing Measurement Needs: Proceedings**

William Grosshandler  
(Editor)



**NIST**

**National Institute of Standards and Technology**  
Technology Administration, U.S. Department of Commerce



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*Building and Fire Research Laboratory*

August 2001



**U.S. Department of Commerce**  
*Donald Evans, Secretary*

**National Institute of Standards and Technology**  
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*Enhancing Public Health and Safety  
Through Quality Testing and Engineering*

**ACIL**


Laboratory Certification and Accreditation

presented to  
the  
Workshop on Fire Testing Measurement Needs  
by  
Joan Walsh Cassedy  
Executive Director  
**ACIL**  
June 18, 2001

**ACIL**

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- The national trade association representing:  
independent, commercial engineering and  
scientific laboratory, testing, consulting,  
product certifying, and R&D firms;  
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Enhancing Public Health and Safety  
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### National Accreditation

Depending on the products to be tested, a lab may seek further accreditation, such as to ISO/IEC Guide 65, General Requirements for Bodies Operating Product Certification Systems




### What is the Role of Third Party Certification?

Serve all stakeholders at interest in conformity assessment activities: regulators, manufacturers, and consumers.




### Measurement Uncertainty

- ISO/IEC 17025 specifies detailed requirements concerning the estimation of uncertainty of measurement.
- Uniqueness of fire testing "furnace" and sample.
- Need to standardize calibration of fire testing methods.




### Simplify: Create One Standard

- Multiplicity of standards. May be similar, but they are not the same. Uniform standard will improve acceptability and promote comparability and defensibility.



**Conclusion**

Fire Testing Measurement Needs:  
a way to standardize calibration of fire  
testing methods  
and  
the creation of voluntary single  
standards



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